



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20010019

Agency Interest No. 1409

Ms. Denise Hale
Environmental Services
The Dow Chemical Company
P. O. Box 150
Plaquemine, LA 70765

RE: Part 70 Operating Permit Renewal and Modification, Vinyl II Plant THROX Boilers, Dow Chemical Company - Louisiana Division, Plaquemine, Iberville Parish, Louisiana

Dear Ms. Hale:

This is to inform you that the permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2285-V2

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:MDW
cc: EPA Region VI

ENVIRONMENTAL SERVICES
PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
THE DOW CHEMICAL COMPANY
VINYL II THROX BOILERS
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL AND MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on a Proposed Part 70 Air Operating Permit Renewal and Modification for Dow Chemical Company, Post Office Box 150, Plaquemine, Louisiana 70765, for the Vinyl II THROX Boilers. **The facility is located at 21255 Highway 1, approximately two miles north of Plaquemine, in Iberville and West Baton Rouge Parishes.**

Dow Chemical Company operates the Vinyl II Plant in the Louisiana Division complex. Vinyl II Plant and THROX Boilers operate under two separate permits. Initial Title V permit 2285-V0 was issued on May 1, 1997 for THROX Boilers F-410 and F-420. Currently, THROX Boilers F-410 and F-420 operate under Permit No. 2285-V1, dated December 21, 2001.

In this permit renewal, Dow requested to include the following changes:

- Reconcile F-410 and F-420 to allow the Chlorine Methanes Plant (CMP) the capability to send vent gases to each THROX continuously
- Incorporate emissions from the EDC Import Cleanup Project and the Cellulose Reactor Tran Vent Project into the THROX permit limits
- Reconcile F-410 and F-420 to update the destruction removal efficiency (DRE) of the THROXs.

Permitted emission changes from this plant in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	18.74	18.74	-
SO ₂	0.48	0.48	-
NO _x	35.10	35.10	-
CO	16.62	16.62	-
VOC	7.92	0.08	- 7.84
Cl ₂	3.02	3.02	-
HCl	43.98	44.50	+ 0.52
Metals	4.792	4.792	-
C ₂ Cl ₄ / CH ₂ Cl ₂ *	0.62	< 0.01	- 0.62

* Exempted from VOC as defined in LAC 33:III.2117, but are Chapter 51 regulated TAPs.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, August 24, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written form_7118_r00
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comments or a written request for notification of the final decision.

The application, proposed permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the Iberville Parish Library Headquarters, 24605 J. Gerald Berret Boulevard, Plaquemine, LA 70764, and the West Baton Rouge Parish Library, 830 North Alexander, Port Allen, LA 70767.

Inquiries or requests for additional information regarding this permit action should be directed to Mei Wu, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3121.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabcid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1409, Permit Number 2285-V2, and Activity Number PER20010019.

Publication date: July 20, 2006.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Vinyl II Plant THROX Boilers
Agency Interest No.: 1409
PER20010019
Dow Chemical Company
Plaquemine, Iberville/West Baton Rouge Parish, Louisiana**

I. Background

Dow Chemical Company operates the Vinyl II Plant in the Louisiana Division complex. Vinyl II Plant and THROX Boilers operate under two separate permits. Initial Title V permit 2285-V0 was issued on May 1, 1997 for THROX Boilers F-410 and F-420. Currently, THROX Boilers F-410 and F-420 operate under Permit No. 2285-V1, dated December 21, 2001.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Dow Chemical Company on November 1, 2001 requesting a Part 70 operating permit renewal.

A permit application and Emission Inventory Questionnaire were submitted by Dow Chemical Company on June 19, 2003 requesting a Part 70 operating permit modification. Additional information dated February 18, 2004 was also received.

III. Description

Thermal Heat Recovery Oxidizers (THROX) F-410 and F-420 are designed for a maximum firing rate of 40.2 MM BTU/hr. Each THROX is capable of simultaneously burning waste liquids and gaseous waste vent streams. Additionally, natural gas is used as a supplemental combustion fuel to control combustion operations to ensure that a Destruction and Recovery Efficiency (DRE) of 99.9999% is achieved.

The THROX Boilers incinerate gases, waste oil, and lab waste from the vinyl chloride and oxychlorination processes, as well as ethylene dichloride (EDC) heavies and waste oil from Vinyl II Plant. THROX Boilers, F-410 and F-420 are regulated under RCRA (BIF interim status) for hazardous waste operations and are permitted to use fuel gas and/or offgas as supplementary fuel.

Each THROX system consists of:

- a horizontal furnace with a liquid feed air/steam assisted atomizer to provide a uniform liquid feed to enhance combustion efficiency
- a waste heat boiler that generates 240 psia steam
- a quench tower to cool the combustion gases; a water absorber column and a caustic scrubber column to remove hydrogen chloride (HCl), chlorine, and particulate matter (PM)

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A majority of the HCl and chlorine in the cooled combustion gases is absorbed and a portion of the PM is removed in the water absorber column, C-412 for F-412 and C-422 for F-420. Residual quantities of the HCl, chlorine, and PM are removed from the absorber column tailgas in the caustic scrubber, C-413 for F-410 and C-423 for F-420. The caustic scrubber tailgas is emitted to the atmosphere through F-410 and F-420. A Chevron Mist Eliminator was installed in the absorber/scrubber section of each THROX to reduce the PM emissions.

Vents and liquid streams diverted to the THROX Boilers for control are as follows:

- Vinyl II Plant Oxy Unit waste vents and waste liquid process streams
- Vinyl II Plant VCM Production Unit waste vents and waste liquid
- Vents from EDC I to the Oxy Unit when the Oxy Units are shutdown
- Backup control device for process vents from Chlorinated Methanes Plant (CMP, a cross tie pipeline is used to divert vents during CMP THROX shutdown)
- Vinyl chloride loading (railcars and ships) vents.
- Lab liquid waste and waste oil collected in S-420 and T-410

In this permit modification, Dow proposed to include the following changes:

- Reconcile F-410 and F-420 to allow the Chlorinated Methanes Plant (CMP) the capability to send vent gases to each THROX continuously
- Incorporate emissions from the EDC Import Cleanup Project and the Cellulose Reactor Tran Vent Project into the THROX permit limits
- Reconcile F-410 and F-420 to update the destruction removal efficiency (DRE) of the THROXs.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	18.74	18.74	-
SO ₂	0.48	0.48	-
NO _x	35.10	35.10	-
CO	16.62	16.62	-
VOC ***	7.92	0.08	- 7.84
Cl ₂	3.02	3.02	-
HCl	43.98	44.50	+ 0.52
Metals**	4.792	4.792	-
C ₂ Cl ₄ / CH ₂ Cl ₂ *	0.62	< 0.01	- 0.62

* Exempted from VOC as defined in LAC 33:II.2117, but are Chapter 51 regulated TAPs.

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**** Metals:**

Pollutant	Before	After	Change
Cd (Cadmium)	0.025	0.025	-
Hg (Mercury)	0.19	0.19	-
As (Arsenic)	0.007	0.007	-
Ba (Barium)	0.035	0.035	-
Cr (Chromium VI)	0.005	0.005	-
Sb (Antimony)	0.07	0.07	-
Pb (Lead)	0.08	0.08	-
Ag (Silver)	4.38	4.38	-

***** VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
1,1,2,2-Tetrachloroethane	0.02	< 0.01	- 0.02
1,2,3 – Trichloropropane	Neg.	< 0.01	-
1,1,2-Trichloroethane	1.76	0.02	- 1.74
1,1-Dichloroethane	0.36	< 0.01	- 0.36
1,1-Dichloroethylene	Neg.	-	- Neg.
1,2-Dichloroethane	0.72	0.01	- 0.71
1,2-Dichloropropane	Neg.	< 0.01	-
1,2-Dimethoxy Propane	Neg.	-	- Neg.
1,4-Dichlorobenzene	Neg.	< 0.01	-
Benzene	Neg.	< 0.01	-
Bis (2-Chloroethyl) Ether	Neg.	< 0.01	-
Carbon Tetrachloride	0.36	< 0.01	- 0.36
Chlorobenzene	Neg.	< 0.01	-
Chloroform	0.36	< 0.01	- 0.36
Dichlorobutene	0.70	-	- 0.70
Dimethyl Ether	0.06	-	- 0.06
Dioxin	Neg.	< 0.0001	-
Epichlorohydrin	Neg.	< 0.01	-
Ethyl Chloride (Chloroethane)	1.68	0.02	- 1.66
Furan	0.001	< 0.0001	- 0.001
Hexachloroethane	Neg.	< 0.01	-
Methanol	0.02	< 0.01	- 0.02
Methyl Chloride (Chloromethane)	0.14	< 0.01	- 0.14
Naphthalene	Neg.	< 0.01	-
Pentachloroethane	0.06	< 0.01	- 0.06
Propylene Oxide	Neg.	< 0.01	-
Styrene	Neg.	< 0.01	-
Trichloroethylene	Neg.	< 0.01	-
Vinyl Chloride	1.06	0.01	- 1.05
Total	7.30	0.06	- 7.24

Other VOC (TPY):

Ethylene	0.50	0.01	- 0.49
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Dow Chemical Company
Plaquemine, Iberville/West Baton Rouge Parish, Louisiana**

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) and Nonattainment New Source Review (NNSR) do not apply.

Dow Chemical Company Louisiana Division complex is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, on xx xx, 2006; and in the <local paper>, <local town>, on xx xx, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: <None>

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Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})

VIII. General Condition XVII Activities

Work Activity	Schedule	PM ₁₀	Emission Rates - tons			
			SO ₂	NO _X	CO	VOC
NA						

IX. Insignificant Activities

ID No.:	Description	Citation
NA		

X. Specific Conditions

1. Permittee shall maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC). HRVOC shall include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene.
2. It shall be the general duty of owners and/or operators to maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. The written plan presently required by LAC 33:III.2113.A.4 shall be updated within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit.

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3. Permittee shall also comply with all applicable provisions of Resource Conservation and Recovery Act (RCRA), 40 CFR 266, Subpart H - Hazardous Waste Burned in Boilers and Industrial Furnaces (BIF).
4. Permittee shall maintain the concentration of vinyl chloride in the stack gas of THROX Boilers F-410 and F-420, EQT718 and EQT719, not to exceed 10 ppm on a 3 hour average period by installing and maintaining a continuous analyzer which meets the requirements of 40 CFR 61, National Emission Standards for Hazardous Air Pollutants, Subpart F - National Emission Standards for Vinyl Chloride, Section 61.68.
5. Boilers F-410 and F-420 must operate within the parameters established by the most recent BIF certification of compliance testing. The established operating parameters are included in the HON Notification of Compliance Status.
 - * Stack gas concentration of CO shall not exceed an average of 100 ppmv for any 60 minute period. The average concentration shall be calculated as a one hour rolling average updated each minute from a continuous monitor. CO values shall be corrected to 7% oxygen by volume on a dry basis.
 - * Oxygen concentration in the stack gas shall not be less than 2% by volume on a dry basis.

These operating variables (with *) for vent gas that drift out of permitted range for over five minutes shall be logged and reported to the Office of Environmental Compliance, Enforcement Division quarterly. All emergency waste liquid feed cut off systems shall be tested monthly.

6. Permittee shall comply with streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emission programs.
 - a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (63 Subpart H-HON) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will

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include any exemptions based on size of component available in any of the programs being streamlined.

- b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
- c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on September 30 and March 30, to cover the periods January 1 through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
Vinyl II Plant	40 CFR 63 Subpart H-HON LAC 33:III.2122 LAC 33:III.5109 40 CFR 60, Subpart VV 40 CFR 61 Subparts V and F 40 CFR 61 Subpart FF RCRA 40 CFR Part 264 Subparts BB & CC	5% VOHAP 10% VOC 10% VCM 10% VOC 10% VCM Benzene Waste 10% hazardous material	40 CFR 63 Subpart H-HON

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XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5**	9	11	13	15	2103	2104*	2107	2111	2113	2122	2147	2149	2153	2201	29*	51*	53	56
GPR087																				
EQT718 & EQT719	Boiler F-410 (EIQ 75) & F-420 (EIQ 76)			1	1	1	2	1		1	1	1		2	2	2	1	1	1	
FUG017	Fugitives for Boilers (EIQ Y7)												1							

* The regulations indicated above are State Only regulations.

** All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citation, except when the requirement found in the "Specific Requirements" report specifically states that he regulation is State Only.

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS					40 CFR 61 NESHAP					40 CFR 63 NESHAP					40 CFR		
		A	Kb	Db	Dc	E	VV	NNN	A	V	F	FF	A	F	G	H	52	64	68
GPR087 EQT718 & EQT719	Boiler F-410 (EIQ 75) & F-420 (EIQ 76)	1		1	2	1	2	1	1	1	1	1	1	1	1		2	1	
FUG017	Fugitives for Boilers (EIQ Y7)						1				1				1				

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GPR087 (EQT718 and EQR719)	LAC 33:III Chapter 1.5 Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A] Emission Standards for Sulfur Dioxide Recordkeeping and Reporting [LAC 33:III.1513]	EXEMPT. Units emit less than 250 tons of SO ₂ per year. Record and retain at the site for at least 5 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
LAC 33:III.2115 Waste Gas Disposal		DOES NOT APPLY. Doe not apply to waste gas streams that must comply with a control requirement, meets an exemption of another section of chapter 21, meets exemption of 2147.
LAC 33:III.2147 Subchapter J. Limiting Volatile Organic Compound (VOC) Emissions from Reactor Process and Distillation Operations in SOCMI		EXEMPT. Any reactor process or distillation operation that is subject to the HION, the NSPS for NNN (distillation), or RRR (reactor processes) is not subject to this provision (LAC 33:III.2147.A.G.).
LAC 33:III.2149 Limiting Volatile Organic Compound (VOC) emissions from Batch Processing		EXEMPT. Units are exempted from any monitoring, recordkeeping, and reporting requirements under this Subchapter as per LAC 33:III.2149.A.2.c.
LAC 33:III.2153 Limiting Volatile Organic Compound Emissions from Industrial Wastewater Subchapter M		EXEMPT. Wastewater components are exempted from the control requirements since the overall control of VOC emissions from wastewater for affected source categories at the site is greater than 90% of the 1990 baseline (LAC 33:III.2153.G.4).
LAC 33:III.2201 Control of Emissions of Nitrogen Oxide Affected Facilities in the Baton Rouge Nonattainment Area and the Region of Influence		EXEMPT. Boiler's maximum rated capacity is less than 80 MMB TU/hour each. LAC 33:III.2201.C.1.
40 CFR 60 Subpart E Standards of Performance for Incinerators		DOES NOT APPLY. This subpart is applicable to each incinerator of more than 50 tons/day charging rate.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GPR087 (EQT718 and EQT719)	40 CFR 60.700 NSPS Subpart NNN VOC Emissions from the SOCMI Distillation Operations	EXEMPT. F-410 and F-420 are the control devices for the sources which are subject to this standard. A HON Group I process vent subject to NSPS NNN and HON Subpart G is required to comply only with HON. 40 CFR 63.110(d)(4)
40 CFR 64	Compliance Assurance Monitoring for Major Stationary Sources	EXEMPT. 40 CFR 60 provides an exemption to facilities that operate control devices in accordance with Federally enforceable regulations issued after November 15, 1990 (40 CFR 64.2(b)(1)(i)). Also, the CAM Rule exempts sources monitoring for compliance in accordance with continuous compliance monitoring requirements of another rule (i.e. BIF requirements) (40 CFR 64.26(b)(1)(vi)).

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

- 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 - 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
 [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
- 1. the date, place as defined in the permit, and time of sampling or measurements;
 - 2. the date(s) analyses were performed;
 - 3. the company or entity that performed the analyses;
 - 4. the analytical techniques or methods used;
 - 5. the results of such analyses; and
 - 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of

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attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

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- 5. changes in emissions would not qualify as a significant modification; and
- 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 - 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I Chapter 39, LAC 33.III Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 - 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 - 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 - 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 - 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 - 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated November 1, 2001, along with supplemental information dated June 19, 2003 and February 18, 2004.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
 - 1. Generally be less than 5 TPY
 - 2. Be less than the minimum emission rate (MER)
 - 3. Be scheduled daily, weekly, monthly, etc., or
 - 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
 La. Dept. of Environmental Quality
 Post Office Box 4302
 Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1409 Dow Chemical Co - Louisiana Division
Activity Number: PER20010019
Permit Number: 2285-V2
Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	1280-00008	Dow Chemical Co - Louisiana Division	CDS Number	05-27-1993
	1280-0008	Dow Chemical Co - Louisiana Division	Emission Inventory	03-03-2004
	38-1285128	Federal Tax ID	Federal Tax ID	11-21-1999
LADD008187080		Dow Chemical Co - LA Operations	Hazardous Waste Notification	01-29-1986
PMTICA		GPRA Baselines	Hazardous Waste Permitting	10-01-1997
00290		Dow Chemical	Inactive & Abandoned Sites	09-01-1986
LAD008187080		Dow Chemical USA	Inactive & Abandoned Sites	06-09-1981
LA0003301		LPDES #	LPDES Permit #	05-27-1993
LAR05N128		LPDES #	LPDES Permit #	10-24-2001
LAR10B702		LPDES #	LPDES Permit #	03-24-2003
LAR10C623		LPDES #	LPDES Permit #	10-28-2004
LAR10D056		LPDES #	LPDES Permit #	06-13-2005
LAR10D101		LPDES #	LPDES Permit #	08-23-2005
GP1596		LWDPS #	LWDPS Permit #	11-21-1999
WP1561		LWDPS #	LWDPS Permit #	06-25-2003
WP1654		LWDPS #	LWDPS Permit #	06-25-2003
LA-2002-L02		Radioactive Material License	Radiation License Number	03-12-2001
2002		X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GPD-047-0107		Site ID #	Solid Waste Facility No.	04-30-2001
1280A0002		Stage II Vapor Recovery	Stage II Vapor Recovery	08-19-2002
11649		Dow Chemical USA	TEMPO Merge	05-22-2001
19754		Dow Chemical USA - LA Division New Tank Farm	TEMPO Merge	07-01-2001
38771		Dow Chemical Co - LA Operations	TEMPO Merge	05-22-2001
41283		Dow Chemical Co	TEMPO Merge	05-22-2001
44749		Dow Lighthouse Rd	TEMPO Merge	08-25-2002
44946		Dow Chemical USA	TEMPO Merge	05-22-2001
52295		Dow Chemical USA - Coal Gasification	TEMPO Merge	05-22-2001
1280-0008		Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
70765THDWCHIGHW		TRI #	Toxic Release Inventory	07-08-2004
24-011629		UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
			Main Phone:	22633536148

Physical Location:

21255 Hwy 1
Plaquemine, LA 70765

General Information

AI ID: 1409 Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

Mailing Address:
PO Box 150
Plaquemine, LA 707650150

Location of Front Gate:
30° 18' 49" 0 hundredths latitude, 91° 14' 25" 37 hundredths longitude, Coordinate Method: GPS Code (Pseudo Range) Precise Position, Coordinate Datum: NAD27

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Solid Waste Billing Party for
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Water Billing Party for
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Stage II Vapor Recovery Billing Party for
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Accident Prevention Billing Party for
Dan Jason	PO Box 150 Plaquemine, LA 707650150	2253631512 (WP)	Responsible Official for
Brad Rabalais	2125 Hwy 1 Bldg 3502 Plaquemine, LA 70764	22535387146 (WP)	Radiation Safety Officer for
Brad Rabalais	2125 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253538001 (WF)	Radiation Safety Officer for
Brad Rabalais	2125 Hwy 1 Bldg 3502 Plaquemine, LA 70764	BRABALAIS@DOW	Radiation Safety Officer for
Brad Rabalais	2125 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253226146 (DP)	Radiation Safety Officer for
Brad Rabalais	2125 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253536146 (WP)	Radiation Contact For
Brad Rabalais	2125 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253538001 (WF)	Radiation Contact For
Brad Rabalais	2125 Hwy 1 Bldg 3502 Plaquemine, LA 70764	BRABALAIS@DOW	Radiation Contact For
Brad Rabalais	2125 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253226146 (DP)	Radiation Contact For

Related Organizations:

Name	Address	Phone (Type)	Relationship
Dow Chemical Co	PO Box 150 Plaquemine, LA 707650150		Owns
Dow Chemical Co	PO Box 150 Plaquemine, LA 707650150		Air Billing Party for
Dow Chemical Co	PO Box 150 Plaquemine, LA 707650150		Radiation License Billing Party for
Dow Chemical Co	PO Box 150 Plaquemine, LA 707650150		Radiation Registration Billing Party for
JE Merit Constructors Inc	4949 Essen Ln Baton Rouge, LA 70888	2257685548 (WP)	Provides environmental services for
National Maintenance Corp	2865 Mason St Baton Rouge, LA 70885		Provides environmental services for
Petrin Corp	1405 Commerical Dr Port Allen, LA 70767		Provides environmental services for

SIC Codes:

2819, Industrial inorganic chemicals, nec
2869, Industrial organic chemicals, nec

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

All ID: 1409 - Dow Chemical Co - Louisiana Division
 Activity Number: PER20010019
 Permit Number: 2285-V2
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT718	75 - Boiler F-440		40.2 MM BTU/hr	40.2 MM BTU/hr		8760 hr/yr (All Year)
EQT719	76 - Boiler F-420		40.2 MM BTU/hr	40.2 MM BTU/hr		8760 hr/yr (All Year)
FUG017	Y7 - Fugitives for Boilers F-410/F-420					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP087	Vinyl II Plant THROX Units	EQT718 75 - Boiler F-410
GRP087	Vinyl II Plant THROX Units	EQT719 76 - Boiler F-420
GRP087	Vinyl II Plant THROX Units	FUG17 Y7 - Fugitives for Boilers F-410/F-420

Relationships:

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT718	70.4	13264	5		85	106
EQT719	70.4	13264	5		85	106

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP087	43804.3	\$ New App	1710 - Negotiated Fee

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 718 75	2.14	3.97	9.37	0.05	0.55	0.24	4.01	7.92	17.55	1.90	5.42	8.31	0.01	0.12	0.04
EQT 719 76	2.14	3.97	9.37	0.05	0.55	0.24	4.01	7.92	17.55	1.90	5.42	8.31	0.01	0.12	0.04
FUG 017 77													< 0.001	< 0.001	< 0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals**Permit Phase Totals:**

PM10: 18.74 tons/yr

SO2: 0.48 tons/yr

NOx: 35.10 tons/yr

CO: 16.62 tons/yr

VOC: 0.08 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

All phases

		1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,2-Dichloroethane			1,2-Dichloropropane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 718 76	< 0.001	0.01	< 0.01	0.002	0.01	0.01	< 0.001	0.01	< 0.01	0.01	< 0.01	0.01	< 0.001	< 0.001	< 0.001	< 0.01
EQT 719 76	< 0.001	0.01	< 0.01	0.002	0.01	0.01	< 0.001	0.01	< 0.01	0.01	< 0.01	0.01	< 0.001	< 0.001	< 0.001	< 0.01
FUG 017 Y7				< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

All phases

1,4-Dichlorobenzene				Antimony (and compounds)				Arsenic (and compounds)				Barium (and compounds)				Benzene			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EGT 718 75	< 0.001	< 0.001	< 0.01	0.01	0.008	0.008	0.035	0.0008	0.0008	0.0034	0.004	0.004	0.0175	< 0.001	0.001	0.01	< 0.01		
EGT 719 76	< 0.001	< 0.001	< 0.01	0.01	0.008	0.008	0.035	0.0008	0.0008	0.0034	0.004	0.004	0.0175	< 0.001	0.001	0.01	< 0.01		
FUG 017 Y7																			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

All phases

Cadmium (and compounds)		Carbon tetrachloride		Chlorine		Chlorobenzene		Chloroethane	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 718 75	0.0028	0.0028	0.0123	< 0.001	0.01	< 0.01	0.34	0.69	1.51 < 0.001
EQT 719 76	0.0028	0.0028	0.0123	< 0.001	0.01	< 0.01	0.34	0.69	1.51 < 0.001
FUG 017 Y7				< 0.001	< 0.001	< 0.01			< 0.001 < 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

All phases

Chloroform			Chromium VI (and compounds)			Dichloromethane			Epichlorohydrin			Ethylene				
Subject Item	Avg lb/hr	Max lb/hr	Tons/year	Avg lb/hr	Max lb/hr	Tons/year	Avg lb/hr	Max lb/hr	Tons/year	Avg lb/hr	Max lb/hr	Tons/year	Avg lb/hr	Max lb/hr	Tons/year	
EQT 718 75	< 0.001	0.01	< 0.01	0.0006	0.0006	0.0006	< 0.001	< 0.001	< 0.001	< 0.01	< 0.01	< 0.001	0.001	0.001	< 0.01	< 0.01
EQT 719 76	< 0.001	0.01	< 0.01	0.0006	0.0006	0.0006	< 0.001	< 0.001	< 0.001	< 0.01	< 0.01	< 0.001	0.001	0.001	< 0.01	< 0.01
FUG 017 Y7	< 0.001	< 0.001	< 0.01									< 0.001	< 0.001	< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

All phases

Hexachloroethane		Hydrochloric acid		Lead compounds		Mercury (and compounds)		Methanol	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 718 75	< 0.001	0.01	< 0.01	5.08	5.32	22.25	0.009	0.0394	0.0394
EQT 719 76	< 0.001	0.01	< 0.01	5.08	5.32	22.25	0.009	0.0394	0.0394
FUG 017 Y7									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

All phases

Methyl chloride		Naphthalene		Propylene oxide		Silver		Styrene	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 718 75	0.001	< 0.003	< 0.01	< 0.001	< 0.01	< 0.001	< 0.01	0.50	2.19 < 0.001 < 0.001 < 0.01
EQT 719 76	0.001	< 0.003	< 0.01	< 0.001	< 0.01	< 0.001	< 0.01	0.50	2.19 < 0.001 < 0.001 < 0.01
FUG 017 Y7									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	Tetrachloroethylene			Trichloroethylene			Vinyl chloride		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 718 75	< 0.001	0.01	< 0.01	< 0.001	< 0.001	< 0.001	0.01	0.001	0.01
EQT 719 76	< 0.001	0.01	< 0.01	< 0.001	< 0.001	< 0.001	0.01	0.001	0.01
FUG 017 Y7							< 0.001	< 0.001	< 0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,1,2,2-Tetrachloroethane: <0.01 tons/yr
 1,1,2-Trichloroethane: 0.02 tons/yr
 1,1-Dichloroethane: <0.01 tons/yr
 1,2-Dichloroethane: <0.01 tons/yr
 1,2-Dichloropropane: <0.01 tons/yr
 1,4-Dichlorobenzene: <0.01 tons/yr
 Antimony (and compounds): 0.07 tons/yr
 Arsenic (and compounds): 0.0068 tons/yr
 Barium (and compounds): 0.035 tons/yr
 Benzene: <0.01 tons/yr
 Cadmium (and compounds): 0.00246 tons/yr
 Carbon tetrachloride: <0.01 tons/yr
 Chlorine: 3.02 tons/yr
 Chlorobenzene: <0.01 tons/yr
 Chloroethane: 0.02 tons/yr
 Chloroform: <0.01 tons/yr
 Chromium VI (and compounds): 0.005 tons/yr
 Dichloromethane: <0.01 tons/yr
 Epichlorohydrin: <0.01 tons/yr
 Ethylene: <0.01 tons/yr
 Hexachloroethane: <0.01 tons/yr
 Hydrochloric acid: 44.50 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

All phases

Lead compounds: 0.0788 tons/yr

Mercury (and compounds): 0.193 tons/yr
Methanol: <0.01 tons/yr

Methyl chloride: <0.01 tons/yr

Naphthalene: <0.01 tons/yr

Propylene oxide: <0.01 tons/yr

Silver: 4.38 tons/yr

Styrene: <0.01 tons/yr

Tetrachloroethylene: <0.01 tons/yr

Trichloroethylene: <0.01 tons/yr

Vinyl chloride: 0.02 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20010019

Permit Number: 2285-V2

Air - Title V Regular Permit Renewal

EQT718 75 - Boiler F-410

- 1 1,2,3-Trichloropropane < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 2 1,2,3-Trichloropropane < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 3 1,2,3-Trichloropropane < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 4 1,2,3-Trichloropropane < 0.001 lb/hr. [LAC 33:III.501.C.6]
- 5 1,2,3-Trichloropropane < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 6 1,2,3-Trichloropropane < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

EQT719 76 - Boiler F-420

- 7 Comply with LAC 33:III.2122 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H (HON). [LAC 33:III.2122]
- 8 Comply with 40 CFR 60 Subpart VV by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H (HON). [40 CFR 60. Subpart VV]
- 9 Comply with 40 CFR 60 Subparts F and V by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H (HON). [40 CFR 60. Subparts(F and V)]
- 10 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]

UG017 Y7 - Fugitives for Boilers F-410/F-420

- 7 Comply with LAC 33:III.2122 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H (HON). [LAC 33:III.2122]
- 8 Comply with 40 CFR 60 Subpart VV by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H (HON). [40 CFR 60. Subpart VV]
- 9 Comply with 40 CFR 60 Subparts F and V by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H (HON). [40 CFR 60. Subparts(F and V)]
- 10 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(f)]
- 11 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 12 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (i). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 13 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division
 Activity Number: PER20010019
 Permit Number: 2285-V2
 Air - Title V Regular Permit Renewal

FUG017 V7 - Fugitives for Boilers F-410/F-420

- 14 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 15 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 16 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 17 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172, or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
- 18 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
- 19 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
- 20 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]
- 21 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
- 22 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]
- 23 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
- 24 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]
- 25 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division
Activity Number: PER2001019
Permit Number: 2285-V2
Air - Title V Regular Permit Renewal

FUG017 Y7 - Fugitives for Boilers F-410/F-420

- 26 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 27 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
- Which Months: All Year Statistical Basis: None specified
- 28 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 29 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 30 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
- 31 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]
- 32 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]
- 33 Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- 34 Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- 35 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- 36 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 37 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division
Activity Number: PER20010019
Permit Number: 2285-V2
Air - Title V Regular Permit Renewal

V7 - Fugitives for Boilers F-410/F-420

- 38 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
 Which Months: All Year Statistical Basis: None specified
- 39 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 40 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
- 41 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]
- Which Months: All Year Statistical Basis: None specified
- 42 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
- 43 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
- Which Months: All Year Statistical Basis: None specified
- 44 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
- Which Months: All Year Statistical Basis: None specified
- 45 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 46 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]
- 47 Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 48 Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified

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- 49 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]
 Which Months: All Year Statistical Basis: None specified
- 50 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]
- 51 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 52 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
 Which Months: All Year Statistical Basis: None specified
- 53 Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
- 54 Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]
 Which Months: All Year Statistical Basis: None specified
- 55 Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
- 56 Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]
 Which Months: All Year Statistical Basis: None specified
- 57 Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
- 58 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
 Which Months: All Year Statistical Basis: None specified
- 59 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]
 Which Months: All Year Statistical Basis: None specified
- 60 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
 Which Months: All Year Statistical Basis: None specified

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- 61 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 62 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 63 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 64 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- 65 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]
- 66 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 67 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
- 68 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
- 69 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- 70 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]
- 71 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H. [40 CFR 63.181]
- 72 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 73 Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
- 74 Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 75 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

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- 76 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H [40 CFR 63.182(d)]
- 77 Agreement to consolidate all fugitive monitoring programs to the most stringent program applicable. The notice was sent April 30, 1996. The programs being consolidated are 40 CFR 63 Subpart H-HON, LAC 33.III.2122, and 40 CFR 60 Subpart VV. Vinyl II Plant will comply with HON MACT Subpart H. HON Subpart H supersedes the 40 CFR Part 60 Subpart VV, 40 CFR Part 61, Subpart V, and the state rule, LAC 33.III.2122 for vinyl chloride and ethylene dichloride process units as per the consolidation program.
- Compliance with the fugitive monitoring program under 40 CFR Part 61, Subpart F will remain. [40 CFR 63.Subpart H]

GRP087 Vinyl II Plant THROX Units

- 78 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33.III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 79 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.1.7. [LAC 33.III.1305]
- 80 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33.III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 81 Total suspended particulate <= 0.6 lb/MM/BTU of heat input. [LAC 33.III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 82 Limit the quantity of particulate matter emitted from the fuel burning equipment to < 0.6 lbs/MM BTU of heat input. [LAC 33.III.1313]
- 83 Use the methods and procedures specified in LAC 33.III.2149.E.2 through 2.c to comply with the percent reduction efficiency requirement listed in LAC 33.III.2149.C. [LAC 33.III.2149.E.2]
- 84 Sulfur dioxide <= 0.48 tons/yr. [LAC 33.III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 85 VOC, Total <= 0.08 tons/yr. [LAC 33.III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 86 Carbon monoxide <= 16.62 tons/yr. [LAC 33.III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 87 Nitrogen oxides <= 35.10 tons/yr. [LAC 33.III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 88 Particulate matter (10 microns or less) <= 18.74 tons/yr. [LAC 33.III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 89 Dichloromethane < 0.01 tons/yr. [LAC 33.III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 90 1,1-Dichloroethane < 0.01 tons/yr. [LAC 33.III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 91 Chloroethane <= 0.02 tons/yr. [LAC 33.III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 92 Silver <= 4.38 tons/yr. [LAC 33.III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum

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93 1,2,3-Trichloropropane < 0.01 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum

94 1,4-Dichlorobenzene < 0.01 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum

95 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
 96 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

97 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
 98 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A. [LAC 33:III.5105.A.4]

99 Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991. [LAC 33:III.5107.A.1]

100 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]

101 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]

102 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.A.3]

103 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]

104 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]

105 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through vii. [LAC 33:III.5107.B.4]

106 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]

107 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]

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- 108 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 109 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 110 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 111 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 112 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 113 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 114 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 115 Install a monitoring system on each effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 116 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 117 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 118 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 119 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 120 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 121 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 122 Ethylene < 0.01 tons/yr. [LAC 33:III.Chapter 21]
 - Which Months: All Year Statistical Basis: Annual maximum
- 123 Chlorine <= 3.02 tons/yr. [LAC 33:III.Chapter 51]
 - Which Months: All Year Statistical Basis: Annual maximum
- 124 Arsenic (and compounds) <= 0.0068 tons/yr. [LAC 33:III.Chapter 51]
 - Which Months: All Year Statistical Basis: Annual maximum
- 125 Barium (and compounds) <= 0.035 tons/yr. [LAC 33:III.Chapter 51]
 - Which Months: All Year Statistical Basis: Annual maximum

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- 126 Cadmium (and compounds) <= 0.0246 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 127 Lead compounds <= 0.0788 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 128 Mercury (and compounds) <= 0.193 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 129 1,1,2,2-Tetrachloroethane < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 130 1,1,2-Trichloroethane <= 0.02 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 131 1,2-Dichloroethane < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 132 Antimony (and compounds) <= 0.07 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 133 Carbon tetrachloride < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 134 Chloroform < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 135 Chromium VI (and compounds) <= 0.005 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 136 Naphthalene < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 137 Propylene oxide < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 138 Styrene < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 139 Trichloroethylene < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 140 Vinyl chloride <= 0.02 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 141 1,2-Dichloropropane < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: Phases: Statistical Basis: Annual maximum
- 142 Hydrochloric acid <= 44.50 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 143 Tetrachloroethylene < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 144 Benzene < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum
- 145 Chlorobenzene < 0.01 tons/yr. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Annual maximum

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- 146 Epichlorohydrin < 0.01 tons/yr. [LAC 33:II,Chapter 51]
 Which Months: All Year Statistical Basis: Annual maximum
- 147 Hexachloroethane < 0.01 tons/yr. [LAC 33:II,Chapter 51]
 Which Months: All Year Statistical Basis: Annual maximum
- 148 Methanol < 0.01 tons/yr. [LAC 33:II,Chapter 51]
 Which Months: All Year Statistical Basis: Annual maximum
- 149 Methyl chloride < 0.01 tons/yr. [LAC 33:II,Chapter 51]
 Which Months: All Year Statistical Basis: Annual maximum
- 150 Submit emission inventory (EI) by March 31, of each year (for the period January 1 to December 31 of the previous year) unless otherwise directed by the department. [LAC 33:II,Chapter 9]
- 151 Reduce emissions of TOC by 98% (w%), or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent if a boiler or process heater is used. F-410 and F-420 are the control devices for the sources which are subject to this standard. A HON Group 1 process vent subject to NSPS NNN and the HON Subpart G is required to comply only with the HON. [40 CFR 60.700]
- 152 Applies to units that burn fossil fuel to generate steam with a capacity less than 100 MM BTU/hr. This unit utilizes sweet natural gas or hydrocarbon off-gas as fuel. [40 CFR 60,Subpart Dc]
- 153 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records if the information specified in 40 CFR 63.148 (i)(1) through (i)(6). Subpart G. [40 CFR 61.148(1)]
- 154 Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.349(a)(1)(i)
- 155 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes, except as provided in 40 CFR 61.349(a)(1)(ii)(B). Install the flow indicator at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere. Subpart FF. [40 CFR 61.349(a)(1)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 156 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Subpart FF. [40 CFR 61.349(a)(1)(ii)]
- 157 Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)]
- 158 Total Organic Compounds (TOC) $\geq 95\%$ reduction by weight. Subpart FF. [40 CFR 61.349(a)(2)(i)(A)]
 Which Months: All Year Statistical Basis: None specified
- 159 Total Organic Compounds (TOC) ≤ 20 ppmv (as the sum of the concentrations for individual compounds using Method 18) on a dry basis corrected to 3 percent oxygen.
 Subpart FF. [40 CFR 61.349(a)(2)(i)(B)]
 Which Months: All Year Statistical Basis: None specified
- 160 Residence time ≥ 0.5 sec at a minimum temperature of 760 degrees C (1400 degrees F). Subpart FF. [40 CFR 61.349(a)(2)(i)(C)]
 Which Months: All Year Statistical Basis: None specified
- 161 Operate at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device. Subpart FF. [40 CFR 61.349(b)]
- 162 Demonstrate that each control device, except for a flare, achieves the appropriate conditions specified in 40 CFR 61.349(a)(2) using one of methods specified in 40 CFR 61.349(c)(1) and (c)(2). Subpart FF. [40 CFR 61.349(c)]
- 163 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
 Which Months: All Year Statistical Basis: None specified

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- 164 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 165 Temperature monitored by temperature monitoring device continuously. Install the temperature sensor at a representative location in the combustion chamber. Subpart FF. [40 CFR 61.354(c)(1)]
 Which Months: All Year Statistical Basis: None specified
- 166 Temperature recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(1)]
- 167 Monitoring data monitored by technically sound method daily. Inspect the data recorded by the monitoring equipment to ensure that the control device is operating properly. Subpart FF. [40 CFR 61.354(c)]
- Which Months: All Year Statistical Basis: None specified
- 168 Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]
- Which Months: All Year Statistical Basis: None specified
- 169 Closed-vent system (bypass line): Flow monitored by visual inspection/determination daily. Inspect the readings from each flow monitoring device required by 40 CFR 61.349(a)(1)(ii) to check that vapors are being routed to the control device as required. Subpart FF. [40 CFR 61.354(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 170 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 171 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 172 Vinyl chloride <= 10 ppm. Subpart F. [40 CFR 61.65(b)]
 Which Months: All Year Statistical Basis: Three-hour average
- 173 Vinyl chloride <= 10 ppm as determined by the continuous emission monitor system required under 40 CFR 61.68. Subpart F. [40 CFR 61.65(d)(1)]
- Which Months: All Year Statistical Basis: Three-hour average
- 174 Performance Test Data recordkeeping by electronic or hard copy as needed. Retain at the plant and make available, upon request, for inspection by DEQ, records of emission test results and other data needed to determine emissions. Retain records for a minimum of three years. Subpart F. [40 CFR 61.67(f)]
- 175 Except as provided in 40 CFR 61.67(g)(5)(ii), determine the reactor opening loss using the equation specified in 40 CFR 61.67(g)(5)(i). Subpart F. [40 CFR 61.67(g)(5)(i)]
- 176 Conduct a daily span check for each vinyl chloride monitoring system used, as specified. Subpart F. [40 CFR 61.68(c)]
- 177 Calculate the vinyl chloride content of emissions by best practical engineering judgment based on the discharge duration and known vinyl chloride concentrations in the affected equipment as determined in accordance with 40 CFR 61.67(h) or other acceptable method, for exhaust gases having emission limits that are subject to the requirement of 40 CFR 61.68(a) that are emitted to the atmosphere without passing through the control system and required vinyl chloride monitoring system. Subpart F. [40 CFR 61.68(d)]
- 178 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(e) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71(a). Subpart F. [40 CFR 61.68(f)]

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- 179 Vinyl chloride monitored by continuous emission monitor (CEM) continuously. Monitor emissions from the sources for which emission limits are prescribed in 40 CFR 61.62(a) and (b), 61.63(a), and 61.64(a)(1), (b), (c) and (d), and for any control system to which reactor emissions are required to be ducted in 40 CFR 61.64(a)(2) or to which fugitive emissions are required to be ducted in 40 CFR 61.65(b)(1)(ii) and (b)(2), (b)(5), (b)(6)(ii) and (b)(9)(ii). Use a device that meets the requirements in 40 CFR 61.68(b). Subpart F. [40 CFR 61.68]
- Which Months: All Year Statistical Basis: None specified
- 180 Equipment/operational data recordkeeping by electronic or hard copy at the regulations specified frequency. Record the information specified in 40 CFR 61.71(a)(1) through (a)(4) and make it available for inspection to DEQ for a minimum of three years. Subpart F. [40 CFR 61.71(a)]
- 181 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 182 Conduct performance tests and compliance determinations according to the schedule and procedures in 40 CFR 63.7(a) and the applicable sections of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(b)(1)]
- 183 Submit Notification: Due at least 30 calendar days before a performance test is scheduled. Notify DEQ of the intention to conduct a performance test to allow DEQ the opportunity to have an observer present during the test. Subpart F. [40 CFR 63.103(b)(2)]
- 184 Conduct performance tests according to the provisions in 40 CFR 63.7(e) of subpart A, except conduct performance tests at maximum representative operating conditions for the process. Subpart F. [40 CFR 63.103(b)(3)]
- 185 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 186 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 187 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 188 Maintenance wastewater: Implement the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(d)]
- 189 Maintenance wastewater: Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]
- 190 Maintenance wastewater: Prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.105(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.105(b) as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure. Subpart F. [40 CFR 63.105]
- 191 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 192 Organic HAP \geq 98% reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3% oxygen. Subpart G. [40 CFR 63.113(a)(2)]
- 193 Halogenated vent streams: Hydrogen halides and halogens $>= 99\%$ reduction, or reduce the outlet mass of total hydrogen halides and halogens $< 0.45 \text{ kg/hr}$, whichever is less stringent. Subpart G. [40 CFR 63.113(c)(1)i]
- 194 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)]
- Which Months: All Year Statistical Basis: None specified

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- 195 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)]
- 196 pH monitored by pH instrument continuously. Equip pH instrument with a continuous recorder. Monitor the pH of the scrubber effluent. Subpart G. [40 CFR 63.114(a)(4)(i)]
- 197 Compliance with process vent requirements constitutes compliance for all other vent requirements when emissions from process vents, transfer operations, storage vessels, process wastewater are combined vents per 40 CFR 63.112(e)(3)(ii). Vent system: Secure each valve in the vent system that would divert the vent stream to the atmosphere in a non-diverting position using a car seal or a lock-and-key type configuration, or equip with a flow indicator. Subpart G. [40 CFR 63.114(d)(1)]
- 198 Vent system: If car-seal has been broken or valve position changed, record that the duration of all periods that the seal mechanism is broken or the valve position has changed. Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the by-pass line. Subpart G. [40 CFR 63.114(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 199 Monitor the parameters specified in the Notification of Compliance Status required in 40 CFR 63.152(b) or in the operating permit and operate and maintain the control device such that the monitored parameters remain within the ranges specified in the Notification of Compliance Status. Subpart G. [40 CFR 63.114(e)]
- 200 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 201 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]
- 202 Prepare a design evaluation, which includes the information specified in 40 CFR 63.120(d)(1)(i), or submit the results of a performance test as described in 40 CFR 63.120(d)(1)(ii). Subpart G. [40 CFR 63.120(d)(1)]
- 203 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.127(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 204 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.129(a) through (f). Subpart G. [40 CFR 63.129]
- 205 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(a) through (d). Subpart G. [40 CFR 63.130]
- 206 Make a first attempt at repair as soon as practicable but no later than 5 calendar days after identification of gaps, cracks, tears, or holes in ductwork, piping, or connections to covers and control devices during an inspection. Complete repairs no later than 15 calendar days after identification or discovery of the defect. Subpart G. [40 CFR 63.139(f)]
- 207 Flow rate monitored by flow rate monitoring device continuously. Equip the flow monitor with a continuous recorder and install at the scrubber influent for liquid flow. Determine gas flow using vapor collection system or closed vent system, (hard-piping): Organic HAP, monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.148 (c). Subpart G. [40 CFR 63.148(b)(1)(i)]
- 208 Vapor collection system or closed vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart G. [40 CFR 63.148(b)(1)(ii)]
- 209 Repair leaks (as indicated by an instrument reading greater than 500 ppm above background or by visual inspections) as soon as practicable, except as provided in 40 CFR 63.148(e). Make a first attempt at repair no later than 5 calendar days after the leak is detected. Complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.148(d)(3). Subpart G. [40 CFR 63.148(d)]
- 210 Submit the information specified in 40 CFR 63.148(j)(1) through (j)(3) with the reports required by 40 CFR 63.182(b) of Subpart H or 40 CFR 83.152(c) Subpart G. [40 CFR 63.148(j)]